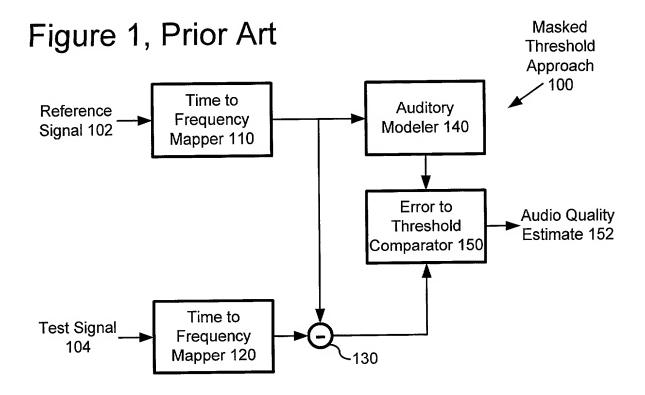
14

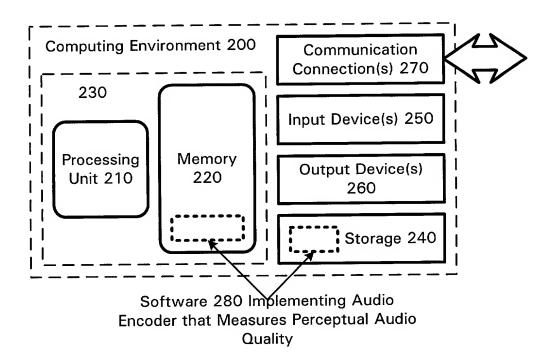
Kyle B. Kinenart Klarquist Sparkman et al 121 SW Salmon Street Suite 1600 Portland, Oregon 97204

Telephone: 503/226-7391

Out Ret. No. 3362 01341 For: TECHNIQUES FOR MEASUREMENT OF PERCEPTUAL AUDIO QUALITY Express Mail No. EL 828140999US

Mailed: December 14, 2001



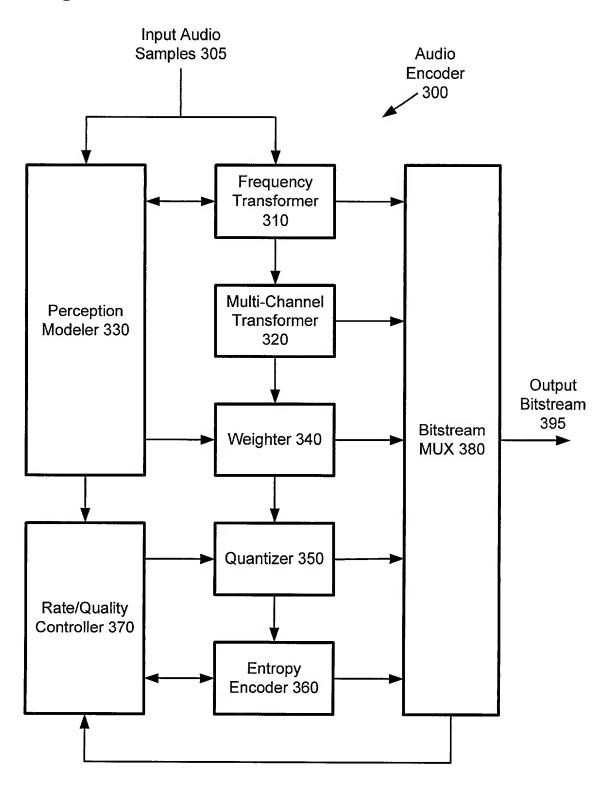


 Kyle B. Rinehart Klarquist Sparkman et al 121 SW Salmon Street Suite 1600 Portland, Oregon 97204

Telephone: 503/226-7391

Our Ref. No. 3382-61341
For: TECHNIQUES FOR
MEASUREMENT OF
PERCEPTUAL AUDIO QUALITY
Express Mail No. EL 828140999US

Mailed: December 14, 2001



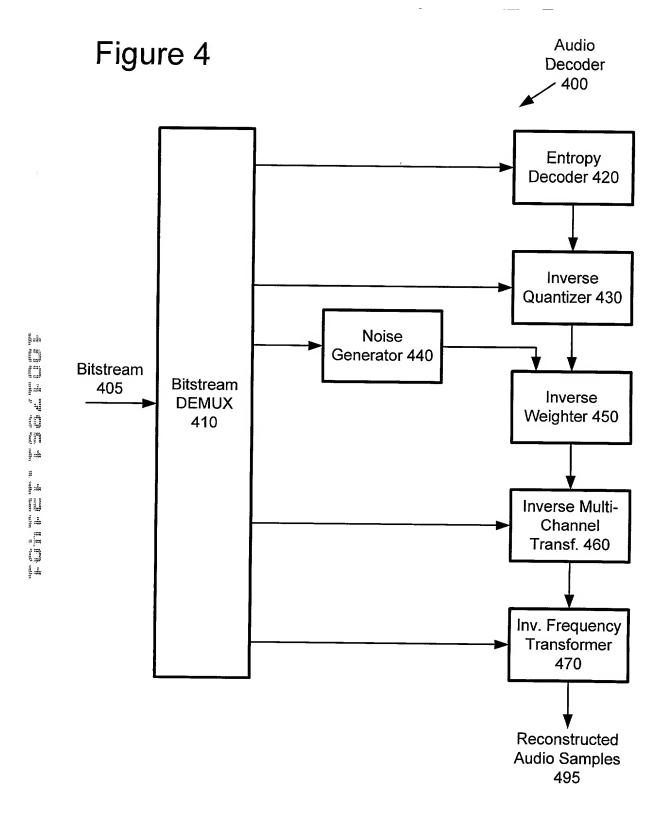
Kyle B. Rınehart Klarquist Sparkman et al 121 SW Salmon Street Suite 1600 Portland, Oregon 97204

Telephone: 503/226-7391

For: TECHNIQUES FOR MEASUREMENT OF PERCEPTUAL AUDIO QUALITY Express Mail No. EL 828140999US



Our Ref. No. 3382-61341

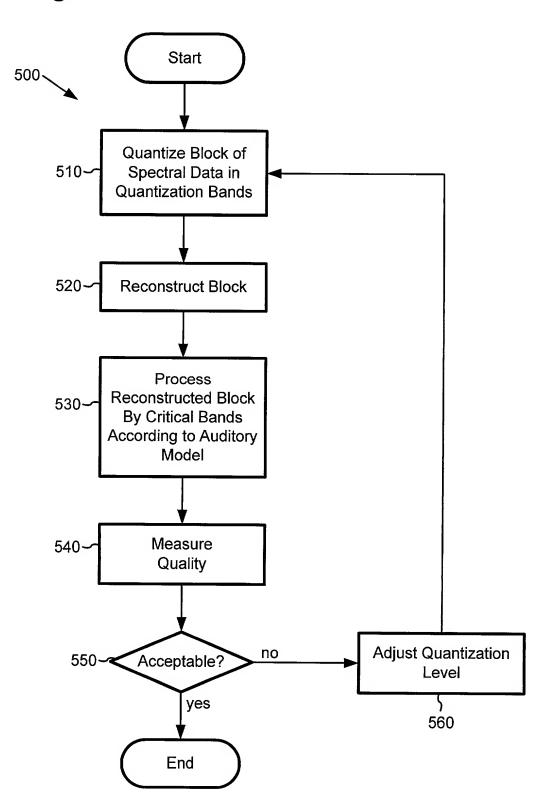


ļ

Kyle B. Rinehart Klarquist Sparkman et al 121 SW Salmon Street Suite 1600

Portland, Oregon 97204 Telephone: 503/226-7391 Our Ref. No. 3382-61341
For: TECHNIQUES FOR
MEASUREMENT OF
PERCEPTUAL AUDIO QUALITY
Express Mail No. EL 828140999US

Mailed: December 14, 2001



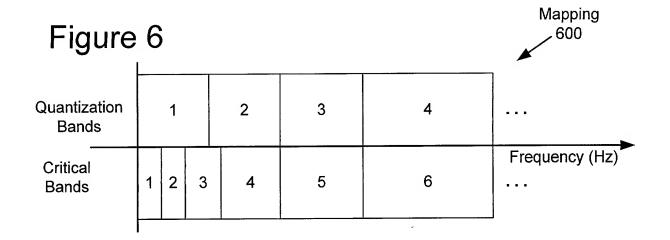
Kyle B. Rinehart Klarquist Sparkman et al 121 SW Salmon Street Suite 1600

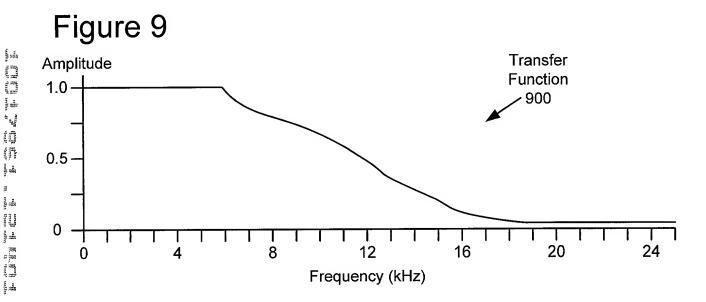
Telephone: 503/226-7391

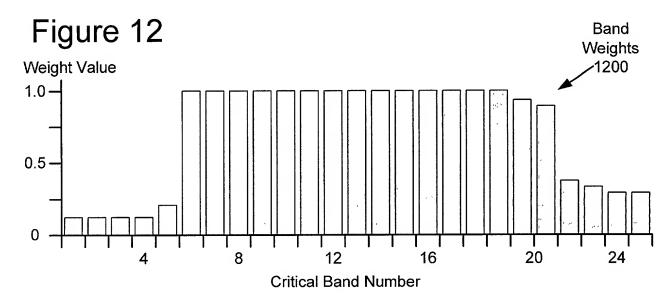
Portland, Oregon 97204

Our Ref. No. 3382-61341 For: TECHNIQUES FOR MEASUREMENT OF PERCEPTUAL AUDIO QUALITY Express Mail No. EL 828140999US

Mailed: December 14, 2001

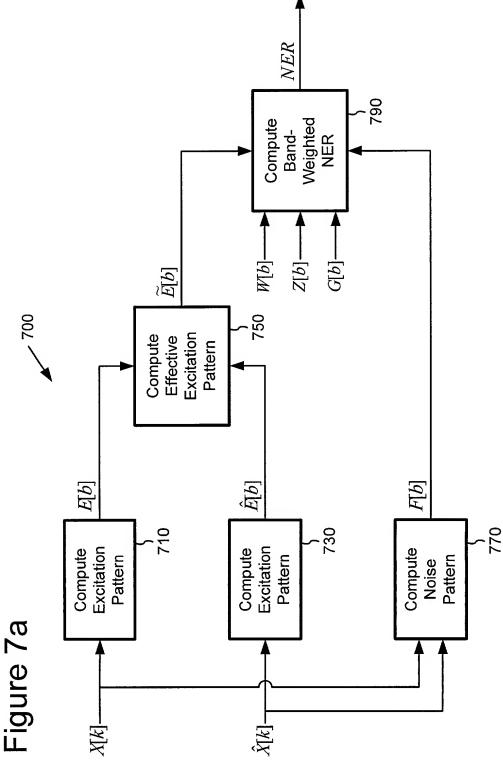




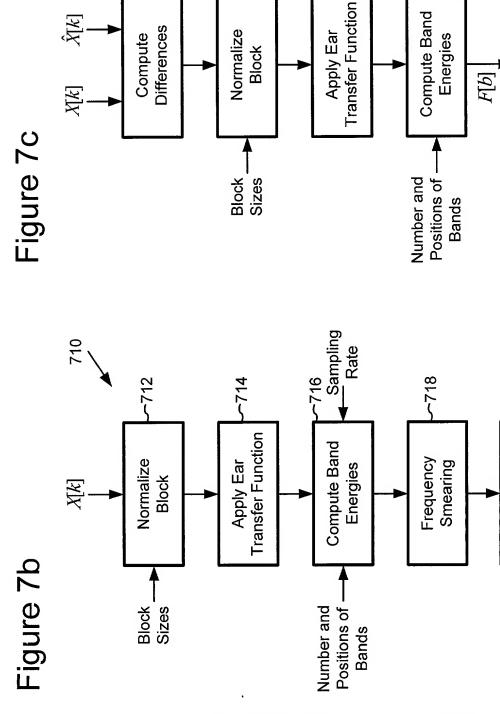


E[b] $\hat{E}[b]$ 710 730 Compute Excitation Pattern Compute Excitation Pattern X[k]-Mailed: December 14, 2001 Telephone: 503/226-7391 PERCEPTUAL AUDIO QUALITY Express Mail No. EL 828140999US Portland, Oregon 97204 121 SW Salmon Street MEASUREMENT OF For: TECHNIQUES FOR Klarquist Sparkman et al Our Ref. No. 3382-61341 Kyle B. Rinehart

Suite 1600



 $\hat{X}[k]$ 



Telephone: 503/226-7391 Portland, Oregon 97204 Suite 1600 121 SW Salmon Street Klarquist Sparkman et al Kyle B. Rinehart Smearing

E[b]

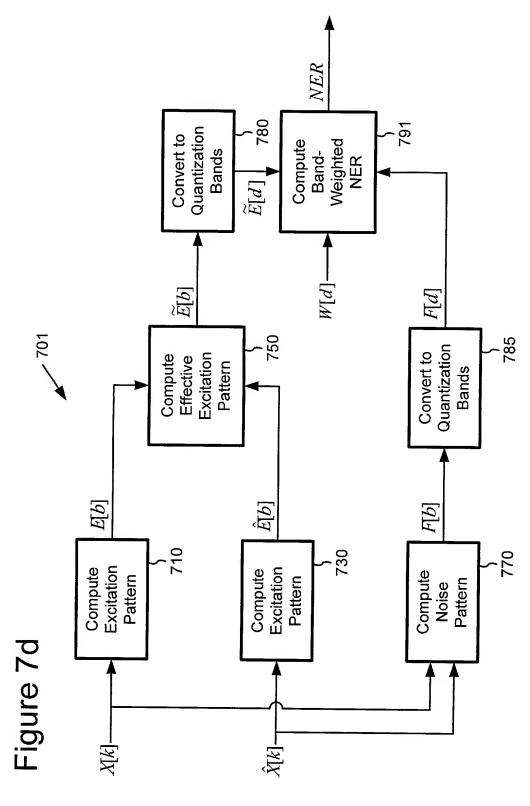
Temporal

-778 Sampling

-776

Mailed: December 14, 2001 Express Mail No. EL 828140999US

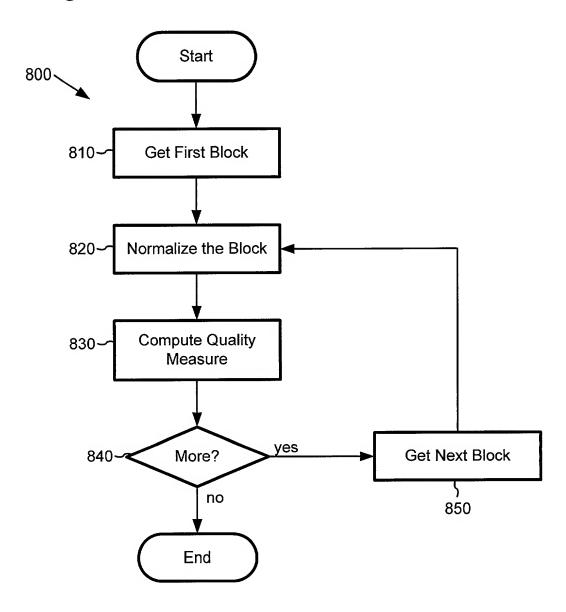
PERCEPTUAL AUDIO QUALITY MEASUREMENT OF Our Ref. No. 3382-61341



Mailed: December 14, 2001 Telephone: 503/226-7391 PERCEPTUAL AUDIO QUALITY
Express Mail No. EL 828140999US **MEASUREMENT OF** For: TECHNIQUES FOR Our Ref. No. 3382-61341

Portland, Oregon 97204 Suite 1600 Klarquist Sparkman et al 121 SW Salmon Street Kyle B. Rinchart Kyle B. Rinehart Klarquist Sparkman et al 121 SW Salmon Street Suite 1600

Portland, Oregon 97204 Telephone: 503/226-7391 Our Ref. No. 3382-61341
For: TECHNIQUES FOR
MEASUREMENT OF
PERCEPTUAL AUDIO QUALITY
Express Mail No. EL 828140999US
Mailed: December 14, 2001

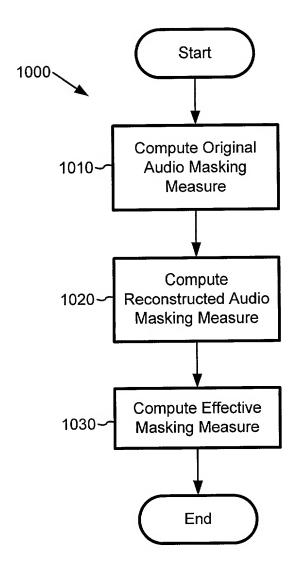


Kyle B. Rinehart

Klarquist Sparkman et al

121 SW Salmon Street

Our Ref. No. 3382-61341
For: TECHNIQUES FOR
MEASUREMENT OF
PERCEPTUAL AUDIO QUALITY
Express Mail No. EL 828140999US
Mailed: December 14, 2001



į į

The East Aller

TO THE ME

Harry Capper

The State of the state of

The state of assessment from the state of th

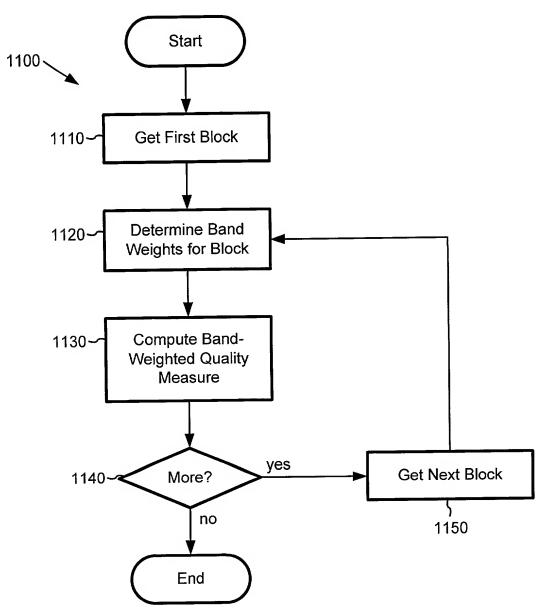
ļ

W WILL BOTH

Kyle B. Rinehart Klarquist Sparkman et al 121 SW Salmon Street Suite 1600

Portland, Oregon 97204 Telephone: 503/226-7391 Our Ref. No. 3382-61341
For: TECHNIQUES FOR
MEASUREMENT OF
PERCEPTUAL AUDIO QUALITY
Express Mail No. EL 828140999US

Mailed: December 14, 2001



Kyle B. Rinehart Klarquist Sparkman et al 121 SW Salmon Street Suite 1600 Portland, Oregon 97204 Telephone: 503/226-7391 Our Ref. No. 3382-61341
For: TECHNIQUES FOR
MEASUREMENT OF
PERCEPTUAL AUDIO QUALITY
Express Mail No. EL 828140999US

Mailed: December 14, 2001

## Figure 13

THE THE THE THE THE THE

THE THE ME

